



**Rocky Flats Environmental Technology Site**


**RECONNAISSANCE LEVEL CHARACTERIZATION**

**RADIOLOGICAL CHARACTERIZATION PLAN  
(PACKAGE )**

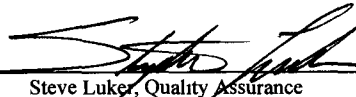
**865 CLUSTER CLOSURE PROJECT  
(Buildings: 865, 866, 867, & 868)**

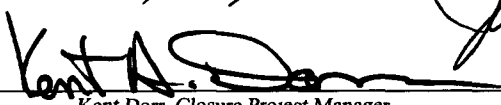
**REVISION 1**

**July 17, 2001**

Prepared by:  Date 7/17/01  
Jay Britten, Radiological Engineer

Reviewed by:  Date 7/17/01  
Duane Parsons, Facility Characterization Coordinator

Reviewed by:  Date 7/18/01  
Steve Luker, Quality Assurance

Approved by:  Date 7/18/01  
Kent Dorr, Closure Project Manager



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<b>RLC Radiological Characterization Plan (Package)</b> <b>865 Cluster</b> (Buildings 865 866 867 and 868)	
<p>* This characterization package was prepared in accordance with MAN 077 DDCP D&amp;D Characterization Protocols and Appendix D Reconnaissance Level Characterization Plan for D&amp;D Facilities latest versions</p> <p>* RLCP Data Quality Objectives were used to develop this characterization package</p> <p>* Some interior facility characterization data of 865 already exists only RLC data gaps are specified in this characterization plan The RLCR will report both existing data and newly acquired RLC data, as necessary Interior facility characterization surveys of 866 867 and 868 will be obtained Exterior facility characterization surveys of the 865 Cluster will be obtained by the D&amp;D Program Office as part of a site-wide Technical Basis Document development effort The 865 Cluster exterior facility characterization survey results will also be reported in the 865 Cluster RLCR</p> <p>* It is assumed that all facility systems are potentially contaminated and will be disposed of as LLW or LLMW and will not affect the facility typing determination Therefore only exterior surfaces of facility system piping ducting conduit plenums equipment etc will be considered during the RLC</p> <p>* It is assumed that all painted surfaces in potential MARSSIM Class 1 and Class 2 PDS survey areas will either be stripped or disposed of as LLW or LLMW during in process D&amp;D work Therefore media and volumetric sampling will not be considered during the RLC</p> <p>* Only facilities that are anticipated to be Type 2 facilities were considered in this RLC Plan Anticipated Type 1 facilities (i.e. B827 C865 and Tank 25) will be characterized as part of the Pre-demolition Survey Plan for the cluster</p>	
<p><b>Instructions</b></p> <ol style="list-style-type: none"> <li>1. Verify characterization activities are on the Plan-of-the-Day (POD)</li> <li>2. Perform a Pre-Evolution Brief and/or Job Task Brief in accordance with the Site Conduct of Operations Manual</li> <li>3. Verify personnel have appropriate training for the applicable tasks they will be performing</li> <li>4. Comply with RWP requirements if applicable</li> <li>5. Comply with facility PPE requirements, as applicable</li> <li>6. Inform the Facility Manager or designee prior to starting characterization activities</li> </ol>	
	<p><b>WARNING</b></p> <p>Confined space entry is <u>NOT</u> authorized during the performance of this plan (package)</p>
<ol style="list-style-type: none"> <li>7. Follow applicable characterization and sampling procedures</li> <li>8. Have D&amp;D craft perform the following as required               <ul style="list-style-type: none"> <li>* Lift deck grating and access covers to assist in obtaining samples in trenches pits &amp; sumps Use forklift with approved lift attachment as necessary</li> <li>* Cut (using sawsall) deck grating and access covers if necessary, to assist in obtaining samples in trenches pits &amp; sumps</li> <li>* Assist in accessing ventilation ducts for sampling including removal of duct tape over the ends of ventilation pipes and entry into fan plenum(s)</li> </ul> </li> <li>9. Notify Wackenhut Security (x2444) and the Shift Supervisor (x2914) and verify appropriate safety precautions/requirements are followed prior to accessing facility roofs</li> <li>10. Coordination with the Environmental Restoration Program organization will be required to further characterize underneath facility foundations and slabs prior to removal</li> <li>11. Collect and maintain all characterization paperwork in the Project File(s)</li> <li>12. All radiological surveys shall be conducted in accordance with the sampling and instruction forms included in 865 Cluster Survey Area Packages Sample locations are denoted on maps attached to each survey area package</li> </ol>	

(Buildings 865, 866, 867 and 868)

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RLC Radiological Characterization Plan (Package)								
865 Cluster								
(Buildings 865, 866, 867 and 868)								
Contamination Areas and Fixed Contamination Areas								
Survey Area	Description	Floor m <sup>2</sup>	Scan m <sup>2</sup>	TSA	Smears	Media		
E	B865 Tenches, Sumps, Pits, Fume Hoods	< 1000 m <sup>2</sup>	30	30	30	N/A		
Totals		< 1000 m <sup>2</sup>	30	30	30			0



**Rocky Flats Environmental Technology Site**

**RECONNAISSANCE LEVEL CHARACTERIZATION  
RADIOLOGICAL CHARACTERIZATION PLAN  
(PACKAGE)**

**865 CLUSTER CLOSURE PROJECT  
(Buildings: 865, 866, 867 and 868)**

**REVISION 0**

**May 16, 2001**

*Superseded by Rev. 1  
dated 7/17/01 JMB*

**Prepared by:** Jay M Britten /

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RISS Facility Characterization Coordinator

**Date** 5/21/01

**Reviewed by:** Steve Luker /

*Steve Luker*  
Quality Assurance

**Date** 5/23/01

**Approved by:** Kent Dorr /

*Kent Dorr*  
Closure Project Manager

**Date** 5/23/01

Superseded by Rev 1  
dated 7/17/01  
JMB

# RLC Radiological Characterization Plan (Package)

## 865 Cluster

(Buildings 865, 866, 867 and 868)

\* This characterization package was prepared in accordance with MAN-077-DDCP, D&D Characterization Protocols, and Appendix D, Reconnaissance Level Characterization Plan for D&D Facilities, latest versions

\* RLCP Data Quality Objectives were used to develop this characterization package

\* It is anticipated that adequate interior facility characterization data of the 865 Cluster already exists for these buildings, therefore, no RLC surveys are required at this time. If it is determined during the review of the existing 865 Cluster characterization data that data gaps exist, then additional RLC data will be collected. The RLCR will report both existing data and newly acquired RLC data, as necessary. Exterior facility characterization surveys of the 865 Cluster will be obtained by the D&D Program Office as part of a site-wide Technical Basis Document development effort. The 865 Cluster exterior facility characterization survey results will also be reported in the 865 Cluster RLCR

\* It is assumed that all facility systems are potentially contaminated and will be disposed of as LLW or LLMW. Therefore, only exterior surfaces of facility system piping, ducting, conduit, plenums, equipment, etc. will be considered during the RLC

\* It is assumed that all painted surfaces in potential MARSSIM Class 1 and Class 2 PDS survey areas will either be stripped or disposed of as LLW or LLMW during in-process D&D work. Therefore, media and volumetric sampling will not be considered during the RLC

\* Only facilities that are anticipated to be Type 2 facilities were considered in this RLC Plan. Anticipated Type 1 facilities will be characterized as part of the Pre-demolition Survey Plan for the cluster

\* The survey instructions below are only applicable if it is determined that additional data is needed. If additional RLC data is needed, this RLC Package/Plan will be revised

### Instructions

1. Verify characterization activities are on the Plan-of-the-Day (POD)
2. Perform a Pre-Evolution Brief and/or Job Task Brief in accordance with the Site Conduct of Operations Manual
3. Verify personnel have appropriate training for the applicable tasks they will be performing
4. Comply with RWP requirements, if applicable
5. Comply with JHA and facility PPE requirements, as applicable
6. Inform the Facility Manager, or designee prior to starting characterization activities
7. Follow applicable characterization and sampling procedures
8. Notify Wackenhut Security (x2444) and the Shift Supervisor (x2914), and verify appropriate safety precautions/requirements are followed prior to accessing facility roofs
9. Coordination with the Environmental Restoration Program organization will be required to further characterize underneath facility foundations and slabs prior to removal
10. Collect and maintain all characterization paperwork in the Project File(s)
11. All radiological surveys shall be conducted in accordance with the sampling and instruction forms included in 865 Cluster Survey Area Packages. Sample locations are denoted on maps attached to each survey area package

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RLC Radiological Characterization Plan (Package)							
865 Cluster							
(Buildings 865, 866, 867 and 868)							
Contamination Areas and Fixed Contamination Areas							
Survey Area	Description	Floor m <sup>2</sup>	Scan m <sup>2</sup>	TSA	Smears	Media	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Totals		0	0	0	0	0	0

Superseded by Rev 1  
dated 7/17/01  
JMB

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